

IN THE CLAIMS:

The claims are amended as follows:

1. (Currently Amended) A method to realize synchronization of data (DAT) sent from a transmitting entity (TX) to a receiving entity (RX), with a signal (SIG) available in said receiving entity (RX), characterized in that said method includes the steps of:

in said receiving entity (RX) generating said signal available in said receiving entity in accordance with a time moment when data fits into an available time frame ~~in a predetermined place~~, wherein said signal available in said receiving entity is not a signal with a constant frequency;

in said receiving entity (RX) generating a trigger signal (T) from said signal (SIG) available in said receiving entity;

sending said trigger signal (T) from said receiving entity (RX) to said transmitting entity (TX) to indicate that the transmitting entity is allowed to send said data (DAT); and

upon receipt of said trigger signal (T) by said transmitting entity (TX) sending said data (DAT) from said transmitting entity (TX) to said receiving entity (RX) wherein said data (DAT) is for receipt in said receiving entity synchronized with said signal (SIG) available in said receiving entity.

2. (Previously Presented) The method according to claim 1, characterized in that said data (DAT) is asynchronous data.

3. (Previously Presented) The method according to claim 1, characterized in that in the event that no data is available in said transmitting entity (TX) to be sent upon receipt of said trigger signal, said method further includes the step of sending idle data from said transmitting entity (TX) to said receiving entity (RX).

4. (Currently Amended) A receiving entity (RX) for receiving from a transmitting entity (TX) data (DAT), said data (DAT) synchronous with a signal (SIG) available in said receiving entity (RX), characterized in that said receiving entity (RX) includes:

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a trigger generator (T-GEN) to generate a trigger signal (T) from said signal (SIG) available in said receiving entity wherein said signal available in said receiving entity is indicative of a time moment when data fits into an available time frame ~~in a predetermined place~~, wherein said signal available in said receiving entity is not a signal with a constant frequency;

a trigger sender (T-SEND) to send said trigger signal (T) from said receiving entity (RX) to said transmitting entity (TX); and

a data receiving entity (DAT-RX) to receive said data (DAT) sent by said transmitting entity (TX) to said receiving entity (RX) upon receipt of said trigger signal (T) wherein said data (DAT) is for receipt in said receiving entity synchronized with said signal (SIG) available in said receiving entity.

5. (Previously Presented) The receiving entity (RX) according to claim 4, characterized in that said receiving entity (RX) is included in an asymmetric digital subscriber line modem.

6. (Currently Amended) A transmitting entity (TX) for transmitting data (DAT) to a receiving entity (RX), said data (DAT) synchronous with a signal (SIG) available in said receiving entity (RX), characterized in that said transmitting entity (TX) includes:

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a trigger receiving entity (T-RX) to receive a trigger signal (T) generated by said receiving entity (RX) from said signal (SIG) available in said receiving entity and sent from said receiving entity (RX) to said transmitting entity (TX) wherein said signal available in said receiving entity is indicative of a time moment when data fits into an available time frame ~~in a predetermined place~~, wherein said signal available in said receiving entity is not a signal with a constant frequency; and

a data sending entity (DAT-SEND) to send data (DAT) from said transmitting entity (TX) to said receiving entity (RX) upon receipt of said trigger signal (T) wherein said data (DAT) is for receipt in said receiving entity already synchronized with said signal (SIG) available in said receiving entity.

7. (Currently Amended) The transmitting entity (TX) according to claim 6, characterized in that said transmitting entity (TX) includes an entity to send said data (DAT) asynchronously. ~~in an asynchronous way.~~

8. (Previously Presented) The transmitting entity (TX) according to claim 6, characterized in that said transmitting entity (TX) includes an idle data generator (ID-GEN) to generate idle data and to send said idle data from said transmitting entity (TX) to said receiving entity (RX) in the event that no

data (DAT) is available in said transmitting entity (TX) upon receipt of said trigger signal (T).

9. (Currently Amended) The method of claim 1, wherein said transmitting entity is an asynchronous transfer mode (ATM) transmitter. data stream.

10. (Previously Presented) The method of claim 1, wherein said receiving entity comprises frames of a digital subscriber line data stream.

11. (Previously Presented) The method of claim 1, wherein upon receipt of said trigger signal (T), said transmitting entity (TX) sends said data immediately or after a predetermined period.

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

22. (Cancelled)

23. (Cancelled)

24. (Cancelled)

25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Currently Amended) A receiving ~~Receiving~~ entity (RX) comprising:

a sending entity for sending an asynchronous trigger signal (T) from said receiving entity (RX) to a transmitting entity (TX) to indicate a moment when data from said transmitting entity is ~~needed~~ required;

receiving entity for receiving (DAT-RX) a data signal (DAT) with said data from said transmitting entity, at said moment when data from said transmitting entity is ~~needed~~ required; and

trigger generating entity (T-GEN), responsive to a signal (SIG) available in said receiving entity but not having a constant frequency, for providing said asynchronous trigger signal. and

~~— trigger sending entity, responsive to said asynchronous trigger signal, for said sending said asynchronous trigger signal to said transmitting entity.~~

29. (Previously Presented) The receiver of claim 28, wherein said data signal is synchronized with said signal available in said receiving entity.

30. (Cancelled)

31. (Cancelled)

32. (Cancelled)

33. (Cancelled)

34. (Cancelled)

35. (Currently Amended) A transmitting ~~Transmitting~~ entity (TX), comprising:

trigger receiving entity (T-RX) for receiving an asynchronous trigger signal (T) from a data receiving entity (RX) indicating a moment when data from said transmitting entity (TX) is ~~needed~~ required;

data sending entity (DAT-SEND) for providing a data signal (DAT) with said data from said transmitting entity (TX) at said moment when data from said transmitting entity is ~~needed~~ required;

buffering entity (BUF) for buffering said data until said asynchronous trigger signal is received by said trigger receiving entity (T-RX); and

idle data generating entity (ID-GEN) for providing idle data for sending said idle data to said receiving entity (RX) in case no data is available in said transmitting entity upon receipt of said trigger signal.

36. (Cancelled)

37. (Cancelled)

38. (Cancelled)

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39. (Currently Amended) A method ~~Method~~ to synchronize reception of data (DAT) sent from an asynchronous transfer mode transmitting entity (TX) to an asymmetric digital subscriber line framer (RX), with a signal (SIG) indicating to said asymmetric digital subscriber line framer (RX) time moments when said data fits into ~~a predetermined place in~~ asymmetric digital subscriber line frames, said method including the steps of:

generating trigger signals (T) indicating that said asynchronous transfer mode transmitting entity (TX) is permitted to send said data;

sending said trigger signals (T) from said asymmetric digital subscriber line framer (RX) to said asynchronous transfer mode transmitting entity (TX);

upon receipt of said trigger signals (T) by said asynchronous transfer mode transmitting entity (TX) sending said data (DAT) from said asynchronous transfer mode transmitting entity (TX) to said asymmetric digital subscriber line framer (RX).

Cl Cont. 40. (Previously Presented) The method according to claim 39, characterized in that said method further comprises in the event that no data is available in said asynchronous transfer mode transmitting entity (TX) to be sent upon receipt of said trigger signals, sending idle data from said asynchronous transfer mode transmitting entity (TX) to said asymmetric digital subscriber line framer (RX).
